

This Harley-Davidson Sportster Motorcycle Manual is 640 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Tools / Measuring tools / Electrical system fundamentals / Service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Starting the engine / Engine performance / Electrical component replacement / Starting system / Charging system / Ignition system (1986-1997 models) / Ignition system (1998-2003 models, except 1200S models) / Ignition system (1998-2003 1200S models) / Fuel system / Engine noises / Engine smoke / Leakdown test / Engine lubrication / Clutch / Transmission / Electrical testing / Electronic speedometer/tachometer / Turn signal module (1991-1996 models) / Turn signal module (1997-2003 models) / Excessive vibration / Front suspension and steering / Brake problems / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Maintenance schedule / Oil and filter change / Tune-up / Air filter / Compression test / Spark plugs / Ignition timing adjustment / Specifications

CHAPTER FOUR / ENGINE TOP END

Rocker cover / Cylinder head / Valves and components / Pushrods and covers / Cylinder / Pistons and rings / Oil tank and oil lines / Specifications

CHAPTER FIVE / ENGINE LOWER END

Removal and installation / Valve tappets and guides / Valve tappets / Gearcase cover and timing gears / Oil pump / Oil filter mount / Crankcase and crankshaft / Cylinder studs / Engine break-in / Specifications

CHAPTER SIX / PRIMARY DRIVE AND CLUTCH (1986-1990 MODELS)

Primary drive cover / Clutch release mechanism / Primary chain adjuster / Primary drive / clutch / Clutch cable / Specifications

CHAPTER SEVEN / PRIMARY DRIVE AND CLUTCH (1991-2003 MODELS)

Primary drive cover (1991-1993 models) / Primary drive cover (1994-2003 models) / Clutch release mechanism (1991-1993 models) / Clutch release mechanism (1994-2003 models) / Primary chain adjuster / Primary drive/clutch / Clutch cable / Specifications

CHAPTER EIGHT / FOUR-SPEED TRANSMISSION (1986-1990 MODELS)

Transmission / Shifter mechanism / Specifications

CHAPTER NINE / FIVE-SPEED TRANSMISSION (1991-2003 MODELS)

Transmission / Shift forks and shift drum / Mainshaft and countershaft / Main drive gear / Access door bearings / Right transmission case bearings / Shift mechanism / Specifications

CHAPTER TEN / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS (1986-1987 MODELS)

Air filter backplate / Carburetor / Intake manifold / Fuel hose and clamps / Throttle and idle cables / Choke cable / Fuel tank / Fuel shutoff valve / Exhaust system / Evaporative emission control

system (California models) / Specifications

CHAPTER ELEVEN / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS (1988-2003 MODELS)

Air filter backplate / Carburetor / Intake manifold / Fuel hose and clamps / Throttle and idle cables / Starting enrichment valve (choke) cable / Fuel tank / Fuel shutoff valve (1988-1994 models) / Fuel shutoff valve (1995-2003 models) / Exhaust system (all models except 883R models) / Exhaust system (883R models) / Evaporative emission control system (California models) / Specifications

CHAPTER TWELVE / ELECTRICAL SYSTEM

Battery / Charging system / Alternator / Ignition system / Ignition coil / Bank angle sensor / Manifold absolute pressure (MAP) sensor (1998-2003 1200S models) / Starter / Starter solenoid / Lighting system / Electronic speedometer / tachometer / Switches / Horn / Electrical bracket / Turn signal flasher / Turn signal module / Circuit breakers / Fuses / Wiring diagrams / Specifications

CHAPTER THIRTEEN / WHEELS, TIRES AND SECONDARY DRIVE

Motorcycle stands / Front wheel / Front hub / Rear wheel and hub / Drive chain and sprockets / Drive belt and sprockets / Wheel runout / Laced wheels / Disc and cast wheels / Wheel balance / Tires / Specifications

CHAPTER FOURTEEN / FRONT SUSPENSION AND STEERING

Handlebar / Front fork / Steering head and stem / Steering head bearing / Steering play / Specifications

CHAPTER FIFTEEN / REAR SUSPENSION

Shock absorbers / Swing arm / Specifications

CHAPTER SIXTEEN / BRAKES

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CHAPTER SEVENTEEN / BODY

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COLOR WIRING DIAGRAMS

Models: Sportster XL1200C Custom XLH1200S Sport XLH1100 XLH1200 XLH883 XLH883C Custom XLH883D Deluxe XLH883H Huggar XL883R C S D H XL 1200 XLH 1100 883 883R 1200C 1200S 883C 883D 883H XL883 XL1200